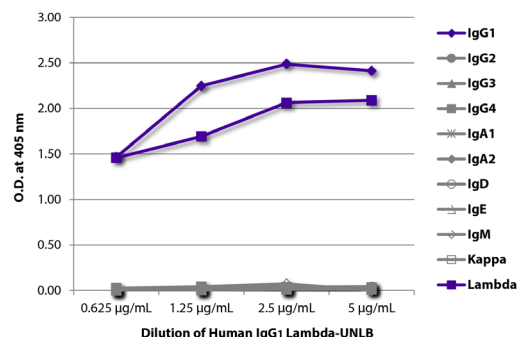




## Human IgG $\lambda$ Isotype Control

Cat. No.	Format	Size
0151L-01	Purified (UNLB)	0.5 mg
0151L-04	Alkaline Phosphatase (AP)	1.0 mL
0151L-05	Horseradish Peroxidase (HRP)	1.0 mL
0151L-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg



ELISA plate was coated with serially diluted Human IgG1 Lambda-UNLB (SB Cat. No. 0151L-01). Immunoglobulin was detected with Mouse Anti-Human IgG1 Hinge-BIOT (SB Cat. No. 9052-08), Mouse Anti-Human IgG2 Fc-BIOT (SB Cat. No. 9060-08), Mouse Anti-Human IgG3 Hinge-BIOT (SB Cat. No. 9210-08), Mouse Anti-Human IgG4 pFc'-BIOT (SB Cat. No. 9190-08), Mouse Anti-Human IgA1-BIOT (SB Cat. No. 9130-08), Mouse Anti-Human IgA2-BIOT (SB Cat. No. 9140-08), Mouse Anti-Human IgD-BIOT (SB Cat. No. 9030-08), Mouse Anti-Human IgE Fc-BIOT (SB Cat. No. 9160-08), Mouse Anti-Human IgM-BIOT (SB Cat. No. 9020-08), Mouse Anti-Human Kappa-BIOT (SB Cat. No. 9230-08), and Mouse Anti-Human Lambda-BIOT (SB Cat. No. 9180-08) followed by Streptavidin-HRP (SB Cat. No. 7100-05) and quantified.

## Description

<b>Isotype</b>	Human IgG $\lambda$
<b>Source</b>	Human myeloma serum

## Applications

Quality tested applications include –  
ELISA <sup>1,2</sup>

## Working Dilutions

<b>ELISA</b>	Purified (UNLB) antibody	$\leq 1 \mu\text{g/mL}$
	AP conjugate	1:500 – 1:2,000
	HRP conjugate	1:1,000 – 1:4,000
<b>Other Applications</b>	Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.	

**For Research Use Only. Not for Diagnostic or Therapeutic Use.**

## Handling and Storage

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- The purified (UNLB) IgG is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL in a stock solution of 50 mM Tris/1 mM MgCl<sub>2</sub>/50% glycerol, pH 8.0, containing NaN<sub>3</sub> as preservative. Store at 2-8°C or long-term at -20°C.
- The horseradish peroxidase (HRP) conjugate is supplied as 1.0 mL in a stock solution of 50% glycerol/50% PBS, pH 7.4. No preservative added. Store at 2-8°C or long-term at -20°C.
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. Contains no preservative; handle under aseptic conditions. Store at 2-8°C or aliquot into smaller volumes and store at -20°C. Avoid multiple freeze / thaw cycles.
- Reagents are stable for the period shown on the label if stored as directed.
- If turbidity occurs, clarify the solution by centrifugation prior to use.

## Warning

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Some reagents contain sodium azide. Please refer to product specific SDS.

## References

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1. Zhang J, Jacobi AM, Mackay M, Aranow C, Wang T, Chinnasamy P, et al. Identification of DNA-reactive B cells in patients with systemic lupus erythematosus. J Immunol Methods. 2008;338:79-84. (ELISA)
2. Zhang J, Jacobi AM, Wang T, Berlin R, Volpe BT, Diamond B. Polyreactive autoantibodies in systemic lupus erythematosus have pathogenic potential. J Autoimmun. 2009;33:270-4. (ELISA)
3. Liu H, Chumsae C, Gaza-Bulseco G, Hurkmans K, Radziejewski CH. Ranking the susceptibility of disulfide bonds in human IgG1 antibodies by reduction, differential alkylation, and LC-MS analysis. Anal Chem. 2010;82:5219-26. (Mass spectrometry)

In accordance with current Good Manufacturing and Good Laboratory Practices (cGMP/cGLP), any protein of human blood origin should be handled pursuant to your organization's documented safety procedures and as if it is capable of transmitting infection. This product has **NOT** been tested for viral, bacterial, or other infectious agents such as, but not limited to, HIV, HbsAg, and HCV.

TB0151L  
07-Oct-21